

No. of Printed Pages : 3

**MGY-007**

**POST GRADUATE DIPLOMA IN  
GEOINFORMATICS/  
M. SC. (GEOINFORMATICS)  
(PGDGI/MSCGI)**

**Term-End Examination**

**June, 2025**

**MGY-007 : APPLICATIONS OF  
GEOINFORMATICS**

*Time : 2 Hours*

*Maximum Marks : 50*

---

**Note :** *All questions are compulsory. Marks for each question are indicated against it.*

---

1. Write short notes on any *four* of the following : 4×5=20

(a) Temporal variation in plant structure

**C-2460/MGY-007**

**P. T. O.**

- (b) Apparent optical properties of water
  - (c) Soil profile
  - (d) Geomorphological mapping
  - (e) Landuse and land cover change
  - (f) Assessment of soil erosion
2. Describe the methods used in biomass and net productivity estimation. 10

*Or*

Discuss briefly the types of landslides with the help of neat well-labelled diagrams. Add a note on factors affecting and causes for landslide.

3. Explain briefly the causes and impacts of coal fire. Add a note on vulnerability of coal fire in India. 10

*Or*

Discuss the different remote sensing based indicators used for agricultural monitoring.

[ 3 ]

4. Describe the application of geoinformatics in sales management support and retail analysis. 10

*Or*

Explain the application of geoinformatics in flood inundation mapping, monitoring and management.

x x x x x